

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 2-20-65

GW _____ WW _____ TA _____

EW _____ OS _____ PA _____

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log 3-8-65

Electric Logs (No. 1)

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____

Lat _____ Mi-L _____ Sonic _____ Others _____

Sub-report of Phandornment *Density Log*

(dup.)

Information

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **2120 FSL and 660 FWL**
At proposed prod. zone **Same**

5. LEASE DESIGNATION AND SERIAL NO.
U-0137080

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal Mounds

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
N 1/4, S 1/4 Section 11, T-16-S, R-11-E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
14 miles southeast of Wallington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
660

16. NO. OF ACRES IN LEASE
2231.65

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
None

19. PROPOSED DEPTH
9500

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Report later.

22. APPROX. DATE WORK WILL START*
November 19, 1964

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|------------------|-----------------|---------------|--------------------|
| 17-1/2" | 13-3/8" | 48# | 700' | 700 Sacks |
| 12-1/4" | 9-5/8" | 36# | 3500' | 1000 Sacks |
| 8-3/4" | 4-1/2" or 5-1/2" | 15.5# & 17# | 9500' | 300 Sacks |

Well will be drilled to test the Cambrian Formation.
Completion will be as indicated upon reaching total depth.
Copies of location plat are attached.
Copies of any logs run will be furnished upon completion of well.

Verbally approved November 18, 1964, R. A. Smith (USGS) and Paul Barchell (Utah)
to F. H. Hollingsworth.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. **Fred L. Nabers, District Engineer**

SIGNED F. H. HOLLINGSWORTH ORIGINAL SIGNED BY F. H. HOLLINGSWORTH TITLE _____ DATE **November 19, 1964**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

COMPANY Pan American Petroleum Corporation

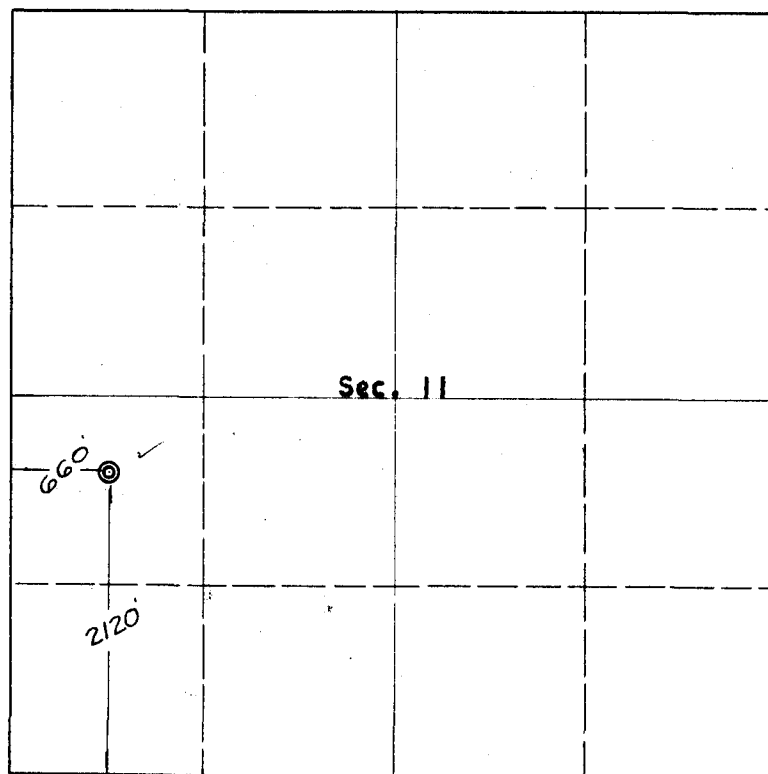
Well Name & No. ~~Federal Bonds~~ No. 1 Lease No. _____

Location 2120 feet from the South line and 660 feet from the West line.

Being in NW $\frac{1}{4}$ SW $\frac{1}{4}$

Sec. 11, T16 S., R 11 E., ~~N.M.P.M.~~ Salt Lake Meridian, Emery County, Utah.

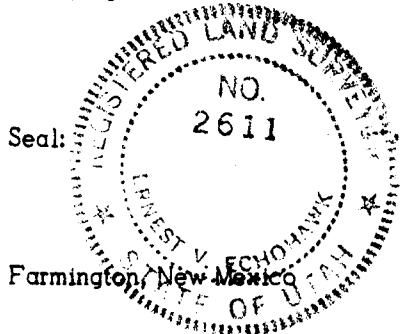
Ground Elevation _____



Scale, 4 inches = 1 Mile

Surveyed November 18, 19 64

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
N. M. Reg. #1545
Utah Reg. No. 2611

November 23, 1964

Pan American Petroleum Corporation
P. O. Box 480
Farmington, New Mexico

Re: Well No. Federal Mounds #1
Sec. 11, T. 16 S., R. 11 E.,
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above well is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771, DA 8-5772 or DA 8-5773
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:sch

cc: Rodney Smith, Dist. Eng., U. S. Geological Survey
8416 Federal Building, Salt Lake City, Utah

Harvey L. Coonts, Pet. Eng., Box 266, Moab, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Utah
LEASE NUMBER U-0137080
UNIT Federal Mounds

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1964,

Agent's address P. O. Box 480 Company PAN AMERICAN PETROLEUM CORP.
Farmington, New Mexico Signed [Signature]

Phone 325-8841 Agent's title Administrative Clerk

| SEC. AND ¼ OF ¼ | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|----------------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| Federal Mounds NW/SW 11 | 16S | 11E | 1 | --- | | | | | | Drilling 261' Spudded 11-28-64 |

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
LAND OFFICE Utah
LEASE NUMBER U-0137080
UNIT Federal Mounds

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1964,

Agent's address P. O. Box 480 Company PAN AMERICAN PETROLEUM CORP.
Farmington, New Mexico Signed [Signature]

Phone 325-8841 Agent's title Administrative Clerk

| SEC. AND ¼ OF ¼ | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|----------------------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| Federal Mounds Lease NW/SW 11 | 16S | 11E | 1 | -- | | | | | | Drilling 3871' Spudded 11-28-64 |

FORM FILED IN LIEU OF FORM 0660-4

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
LAND OFFICE Utah
LEASE NUMBER U-0137080
UNIT Federal Mounds

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 19 65,

Agent's address P. O. Box 480 Company PAN AMERICAN PETROLEUM CORP.
Farmington, New Mexico Signed [Signature]

Phone 325-8841 Agent's title Administrative Clerk

| SEC. AND 1/4 OF 1/4 | TWP. | RANGE | WELL NO. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|----------------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| Federal Mounds NW/SW 11 | 16S | 11E | 1 | — | | | | | | Drilling 8347' Spudded <u>11-28-64</u> . P E A |

FORM FILED IN LIEU OF FORM 06CC-4

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

PLUGGING PROGRAM FORM

Name of Company Pan Am. Verbal Approval Given To: Frank Hollingsworth

Well Name: F. L. Mounds #1 Sec. 11 T. 16 R. 11 County: Emery

Verbal Approval was given to plug the above mentioned well in the following manner:

7175-7290 DST in Pennsylvania (day after tomorrow)
 Mix = 73% nitro 1% helium
 1 1/2% hydrocarb, 25% Carbon.
 Dispersed
 B.T.U. = 12

1) 100' plug - 5000
 2) 250' plug - 13000
 3) 250' plug - 13000
 4) 100' plug - 13000
 5) 100' plug - 13000
 6) 100' plug - 13000
 7) 100' plug - 13000
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Wants to plug back from T.D. 9425
 713 ft } circulates to surface
 3871 }
 4) 100' plug - 13000
 5) 100' plug - 13000
 6) 100' plug - 13000
 7) 100' plug - 13000
 8) 100' plug - 13000
 9) 100' plug - 13000
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4 DST:
 1) 8150 - 8275 → 439 1/2" block, 190°F
 2) 8276 - 8369 → 439 1/2" block, 190°F
 3) 8369 - 8500 → 439 1/2" block, 190°F
 4) 8500 - 8670 → 439 1/2" block, 190°F
 5) 8670 - 8800 → 439 1/2" block, 190°F
 6) 8800 - 8930 → 439 1/2" block, 190°F
 7) 8930 - 9060 → 439 1/2" block, 190°F
 8) 9060 - 9190 → 439 1/2" block, 190°F
 9) 9190 - 9320 → 439 1/2" block, 190°F
 10) 9320 - 9450 → 439 1/2" block, 190°F
 11) 9450 - 9580 → 439 1/2" block, 190°F
 12) 9580 - 9710 → 439 1/2" block, 190°F
 13) 9710 - 9840 → 439 1/2" block, 190°F
 14) 9840 - 9970 → 439 1/2" block, 190°F
 15) 9970 - 10100 → 439 1/2" block, 190°F
 16) 10100 - 10230 → 439 1/2" block, 190°F
 17) 10230 - 10360 → 439 1/2" block, 190°F
 18) 10360 - 10490 → 439 1/2" block, 190°F
 19) 10490 - 10620 → 439 1/2" block, 190°F
 20) 10620 - 10750 → 439 1/2" block, 190°F
 21) 10750 - 10880 → 439 1/2" block, 190°F
 22) 10880 - 11010 → 439 1/2" block, 190°F
 23) 11010 - 11140 → 439 1/2" block, 190°F
 24) 11140 - 11270 → 439 1/2" block, 190°F
 25) 11270 - 11400 → 439 1/2" block, 190°F
 26) 11400 - 11530 → 439 1/2" block, 190°F
 27) 11530 - 11660 → 439 1/2" block, 190°F
 28) 11660 - 11790 → 439 1/2" block, 190°F
 29) 11790 - 11920 → 439 1/2" block, 190°F
 30) 11920 - 12050 → 439 1/2" block, 190°F
 31) 12050 - 12180 → 439 1/2" block, 190°F
 32) 12180 - 12310 → 439 1/2" block, 190°F
 33) 12310 - 12440 → 439 1/2" block, 190°F
 34) 12440 - 12570 → 439 1/2" block, 190°F
 35) 12570 - 12700 → 439 1/2" block, 190°F
 36) 12700 - 12830 → 439 1/2" block, 190°F
 37) 12830 - 12960 → 439 1/2" block, 190°F
 38) 12960 - 13090 → 439 1/2" block, 190°F
 39) 13090 - 13220 → 439 1/2" block, 190°F
 40) 13220 - 13350 → 439 1/2" block, 190°F
 41) 13350 - 13480 → 439 1/2" block, 190°F
 42) 13480 - 13610 → 439 1/2" block, 190°F
 43) 13610 - 13740 → 439 1/2" block, 190°F
 44) 13740 - 13870 → 439 1/2" block, 190°F
 45) 13870 - 14000 → 439 1/2" block, 190°F
 46) 14000 - 14130 → 439 1/2" block, 190°F
 47) 14130 - 14260 → 439 1/2" block, 190°F
 48) 14260 - 14390 → 439 1/2" block, 190°F
 49) 14390 - 14520 → 439 1/2" block, 190°F
 50) 14520 - 14650 → 439 1/2" block, 190°F
 51) 14650 - 14780 → 439 1/2" block, 190°F
 52) 14780 - 14910 → 439 1/2" block, 190°F
 53) 14910 - 15040 → 439 1/2" block, 190°F
 54) 15040 - 15170 → 439 1/2" block, 190°F
 55) 15170 - 15300 → 439 1/2" block, 190°F
 56) 15300 - 15430 → 439 1/2" block, 190°F
 57) 15430 - 15560 → 439 1/2" block, 190°F
 58) 15560 - 15690 → 439 1/2" block, 190°F
 59) 15690 - 15820 → 439 1/2" block, 190°F
 60) 15820 - 15950 → 439 1/2" block, 190°F
 61) 15950 - 16080 → 439 1/2" block, 190°F
 62) 16080 - 16210 → 439 1/2" block, 190°F
 63) 16210 - 16340 → 439 1/2" block, 190°F
 64) 16340 - 16470 → 439 1/2" block, 190°F
 65) 16470 - 16600 → 439 1/2" block, 190°F
 66) 16600 - 16730 → 439 1/2" block, 190°F
 67) 16730 - 16860 → 439 1/2" block, 190°F
 68) 16860 - 16990 → 439 1/2" block, 190°F
 69) 16990 - 17120 → 439 1/2" block, 190°F
 70) 17120 - 17250 → 439 1/2" block, 190°F
 71) 17250 - 17380 → 439 1/2" block, 190°F
 72) 17380 - 17510 → 439 1/2" block, 190°F
 73) 17510 - 17640 → 439 1/2" block, 190°F
 74) 17640 - 17770 → 439 1/2" block, 190°F
 75) 17770 - 17900 → 439 1/2" block, 190°F
 76) 17900 - 18030 → 439 1/2" block, 190°F
 77) 18030 - 18160 → 439 1/2" block, 190°F
 78) 18160 - 18290 → 439 1/2" block, 190°F
 79) 18290 - 18420 → 439 1/2" block, 190°F
 80) 18420 - 18550 → 439 1/2" block, 190°F
 81) 18550 - 18680 → 439 1/2" block, 190°F
 82) 18680 - 18810 → 439 1/2" block, 190°F
 83) 18810 - 18940 → 439 1/2" block, 190°F
 84) 18940 - 19070 → 439 1/2" block, 190°F
 85) 19070 - 19200 → 439 1/2" block, 190°F
 86) 19200 - 19330 → 439 1/2" block, 190°F
 87) 19330 - 19460 → 439 1/2" block, 190°F
 88) 19460 - 19590 → 439 1/2" block, 190°F
 89) 19590 - 19720 → 439 1/2" block, 190°F
 90) 19720 - 19850 → 439 1/2" block, 190°F
 91) 19850 - 19980 → 439 1/2" block, 190°F
 92) 19980 - 20110 → 439 1/2" block, 190°F
 93) 20110 - 20240 → 439 1/2" block, 190°F
 94) 20240 - 20370 → 439 1/2" block, 190°F
 95) 20370 - 20500 → 439 1/2" block, 190°F
 96) 20500 - 20630 → 439 1/2" block, 190°F
 97) 20630 - 20760 → 439 1/2" block, 190°F
 98) 20760 - 20890 → 439 1/2" block, 190°F
 99) 20890 - 21020 → 439 1/2" block, 190°F
 100) 21020 - 21150 → 439 1/2" block, 190°F

Date Verbally Approved: Feb 17, 1965 Signed: Paul Marshall

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0137080

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Mounds

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREANW/4 SW/4 Section 11
T-16-S, R-11-E

12. COUNTY OR PARISH

Emery

Utah

1. OIL ☐ GAS ☒
WELL WELL WELL OTHER

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2120 FSL and 660 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5363 (RDB)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Well History

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above well was spudded 11-28-64 and drilled to a depth of 715'. 13-3/8" casing was set at that depth with 750 sacks cement containing 2% calcium chloride. Cement circulated to surface. Resumed drilling and drilled to a depth of 3870'. 9-5/8" casing was set at that depth with 100 sacks neat cement, 1350 sacks cement containing 6% Gel and 1-1/2 lb. Tuf Plug per sack and 200 sacks neat cement. Cement circulated to surface. After waiting on cement tested 9-5/8" casing with 1000 psi. Test OK. Reduced hole size to 8-3/4" and resumed drilling.

Drill stem test number 1, 8150-8275 (Mississippian-Deseret) initial shut-in, one hour to one hour ten minutes. Final shut-in one hour. Immediate strong blow estimated 8000 MCFD non-inflammable gas increasing at end of test to estimated 25,000 MCFD. No fluid, at end of test light spray of drilling fluid. Recovered 439' black, viscous, brackish fluid. Fluid on top of tool had slight sulphur odor. Hydrostatic in 3945, initial BHPSI 3378, initial BHPF 573, final BHPF 1145 and final BHPSI 3378. Hydrostatic out 3945. BHT 190°F.

Drill stem test number 2, 8276-8369 (Mississippian) nonflammable gas to surface immediately flowing 15-20 MCFD. Recovered 20' black brackish water, one hour. Initial BHPSI 3359, BHPF 2017, 2357, one hour, final BHPSI 3359. Hydrostatic in 4134, hydrostatic out 4134. BHT 192°F.

18. I hereby certify that the foregoing is true and correct

ORIGINAL SIGNED BY

Fred L. Nabors District Engineer

SIGNED

F. H. HOLLINGSWORTH

TITLE

DATE February 22, 1965

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-685229

867-851

Drill stem test number 3, 8369-8520 (Mississippian) initial one hour BHPSI 3397. Gas to surface immediately. Flowed 17,200 MCFD. BHPSI 1581-2244. One hour final BHPSI 3397. Had spray black brackish water on test and recovered 10' same. BHT 200°F. Hydrostatic in and out 4096.

Drill stem test number 4, 8520-8670 (Mississippian). Tested 44 MCFD with medium spray water. Recovered 2000' slightly salty, brackish water. Initial BHPSI 3415, BHPF 688-1259, final BHPSI 3415, Hydrostatic in and out 4153. BHT 202°F.

Well was drilled to a total depth of 9425 and the following logs were run: Gamma Ray-Neutron, Gamma Ray-Sonic, Induction-Electrical, Formation Density and Dip Meter.

MAR - 8 1965

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0137080

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Mounds

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NW/4 SW/4 Section 11

T-16-S, R-11-E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

2120 FSL and 660 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5363 (RDB)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Well History ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log-form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was spudded 11-28-64 and drilled to a depth of 715'. 13-3/8" casing was set at that depth with 750 sacks cement containing 2% calcium chloride. Cement circulated to surface. Resumed drilling and drilled to a depth of 3870'. 9-5/8" casing was set at that depth with 100 sacks neat cement, 1350 sacks cement containing 6% Gel and 1-1/2 lb. Tuf Plug per sack and 200 sacks neat cement. Cement circulated to surface. After waiting on cement tested 9-5/8" casing with 1000 psi. Test OK. Reduced hole size to 8-3/4" and resumed drilling.

Drill stem test number 1, 8150-8275 (Mississippian-Deseret) initial shut-in, one hour to one hour ten minutes. Final shut-in one hour. Immediate strong blow estimated 8000 MCFD non-inflammable gas increasing at end of test to estimated 25,000 MCFD. No fluid, at end of test light spray of drilling fluid. Recovered 439' black, viscous, brackish fluid. Fluid on top of tool had slight sulphur odor. Hydrostatic in 3945, initial BHPSI 3378, initial BHPF 573, final BHPF 1145 and final BHPSI 3378. Hydrostatic out 3945. BHT 190°F. Drill stem test number 2, 8276-8369 (Mississippian) nonflammable gas to surface immediately flowing 15-20 MCFD. Recovered 20' black brackish water, one hour. Initial BHPSI 3359, BHPF 2017, 2357, one hour, final BHPSI 3359. Hydrostatic in 4134, hydrostatic out 4134. BHT 192°F.

Drill stem test number 3, 8369-8520 (Mississippian) Initial one hour BHPSI 3397.
(continued on reverse side)

18. I hereby certify that the foregoing is true and correct

Fred L. Nabors

District Engineer

SIGNED

ORIGINAL SIGNED BY

(This space for Federal or State Engineer)

DATE February 22, 1965

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-685229

Gas to surface immediately. Flowed 17,200 MCFD. BHPF 1581-2244. One hour final BHPSI 3397. Had spray black brackish water on test and recovered 10' same. BHT 200°F. Hydrostatic in and out 4096. Drill stem test number 4, 8520-8670 (Mississippian). Tested 44 MCFD with medium spray water. Recovered 2000' slightly salty, brackish water. Initial BHPSI 3415, BHPF 688-1259, final BHPSI 3415, Hydrostatic in and out 4153. BHT 202°F.

Well was drilled to a total depth of 9425 and the following logs were run: Gamma Ray-Neutron, Gamma Ray-Sonic, Induction-Electrical, Formation Density and Dip Meter.

MAR - 8 1965

PLUGGING PROGRAM FORM

Name of Company PAN AMERICAN PET. CO Verbal Approval Given To: FRANK HOLLINS WORTH

Well Name: FEDERAL MOUNDS Sec. 11 T. 16S R. 7W County: EMERY

Verbal Approval was given to plug the above mentioned well in the following manner:

PBTD - 7263'

RAN Dst @ 7190' - 7263' TEST FAILED -

| Top | Depth | Plug | Depth |
|--|---------|-----------------|--------------------------------|
| PENNSYLVANIAN | 5855' | 150 sx 60 sx | 7283' - 7100' 5800' - 5900' |
| Wolfcamp | 5530' | | |
| Coconino | 4858' | 60 sx | 4800' - 4900' |
| KiABAB | 4725' | | |
| SINBAD | 4762 | | |
| 9 5/8" CSG (Cement circulated to SURFACE) | 3871 | 100 sx | 3770' - 3970 |
| SURFACE | SURFACE | 10 sx | 40' - 0 |

Date Verbally Approved _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Utah
LEASE NUMBER U-0137080
UNIT Federal Mounds

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 19 65,

Agent's address P. O. Box 480 Company PAN AMERICAN PETROLEUM CORP.
Farmington, New Mexico Signed [Signature]

Phone 325-8841 Agent's title Administrative Clerk

| SEC. AND ¼ OF ¼ | TWP. | RANGE | WELL No. | DAYS PRODUCED | BARRELS OF OIL | GRAVITY | CU. FT. OF GAS (In thousands) | GALLONS OF GASOLINE RECOVERED | BARRELS OF WATER (If none, so state) | REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas) |
|----------------------------|------|-------|-------------|------------------|----------------|---------|----------------------------------|-------------------------------------|--|---|
| Federal Mounds NW/SW 11 | 16S | 11E | 1 | — | | | | | | Total Depth 9425' Plug Back Depth 7263' Completed as dry hole 2-20-65. Plugged and Abandoned. <u>Final Report.</u> |

FORM FILED IN LIEU OF FORM 66CC-X

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;
No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | |
|---|---|---|
| 1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. U-0137080 |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION | | 7. UNIT AGREEMENT NAME |
| 3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico | | 8. FARM OR LEASE NAME Federal Mounds |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2120 FSL and 660 FWL | | 9. WELL NO. 1 |
| At proposed prod. zone Same | | 10. FIELD AND POOL, OR WILDCAT Wildcat |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 14 miles southeast of Wellington, Utah | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4 SW/4 Section 11, T-16-S, R-11-E |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660 | 16. NO. OF ACRES IN LEASE 2231.65 | 12. COUNTY OR PARISH Emery |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None | 19. PROPOSED DEPTH 7290 | 13. STATE Utah |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5363 (RDB) | | 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 |
| 22. APPROX. DATE WORK WILL START* 2-17-65 | | 20. ROTARY OR CABLE TOOLS Rotary |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| | | | | |
| | | | | |
| | | | | |

AS a result of failure to find oil or gas in commercial quantities, we propose to plug back the above well to a PBD of 7290 for testing of the Manning Canyon-Pennsylvanian Zone (7190-7290)

This plug back operation will be done as follows:

1. Spot 50 sack cement plug from 9425-9325. (Top of Cambrian 9382)
2. Spot 130 sack cement plug from 8750-8500. (Base of Desert-Mississippian)
3. Spot 140 sack cement plug from 8150-7900. (Top of Desert-Mississippian 8016)
4. Spot 80 sack cement plug from 7650-7550. (Top of Hamburg-Mississippian 7612)
5. Spot 250 sack cement plug from 7450-7290. (Base of Manning Canyon)
6. Hole to be filled with heavy fluid between plugs.

The above procedure verbally approved 2-16-65, R. A. Smith and Paul W. Burchell to F. H. Hollingsworth.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Fred L. Nabors, District Engineer

ORIGINAL SIGNED BY
SIGNED **F. H. HOLLINGSWORTH** TITLE _____ DATE **March 4, 1965**

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP NOTE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0137080

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Mounds

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildest

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREANW/4 SW/4 Section 11,
T-16-S, R-11-E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

1. OIL ☒ WELL GAS ☐ WELL OTHER ☐

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 2120 FSL and 660 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5363 (RDB)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Results of Plug Back ☒
(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As a result of failure to find oil or gas in commercial quantities, the above well was plugged back as follows:

1. Spotted 50 sack cement plug from 9425-9325. (Top of Cambrian 9382)
2. Spotted 130 sack cement plug from 8750-8500. (Base of Deseret-Mississippian)
3. Spotted 140 sack cement plug from 8150-7900. (Top of Deseret-Mississippian 8016)
4. Spotted 80 sack cement plug from 7650-7550. (Top of Humbug-Mississippian 7612)
5. Spotted 250 sack cement plug from 7450-7290. (Base of Manning Canyon)
6. Hole was filled with heavy fluid between plugs.
7. After waiting on cement went back in hole and tagged soft cement at 7207 and cleaned out to Plug Back Depth of 7263. Began conditioning hole for drill stem test.

18. I hereby certify that the foregoing is true and correct Fred L. Nabors, District Engineer

SIGNED

ORIGINAL SIGNED BY
F. H. HOLLINGSWORTH

TITLE

DATE March 4, 1965

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0137080

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Mounds

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREANW/4 SW/4 Section 11
T-16-S, R-11-E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Dry Hole

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 2120 FSL and 660 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5363 (RDB)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As a result of failure to find oil or gas in Commercial quantities, we plugged and abandoned the above well on 2-20-65. Prior to this time we had plugged back this well from a total depth of 9425 to plug back depth of 7263. Combined plugging operations from total depth to surface are as follows:

- (1) Spotted 50 sacks cement plug from 9425-9325. (Top of Cambrian 9382.)
- (2) Spotted 130 sacks cement plug from 8750-8500. (Base of Deseret-Mississippian.)
- (3) Spotted 140 sacks cement plug from 8150-7900. (Top of Deseret-Mississippian 8016.)
- (4) Spotted 80 sacks cement plug from 7650-7550. (Top of Humbert-Mississippian 7612.)
- (5) Spotted 250 sacks cement plug from 7450-7290. (Base of Manning Canyon)
- (6) Spotted 170 sacks cement plug from 7263-7100. (Manning Canyon)
- (7) Spotted 60 sacks cement plug from 5900-5800. (Top of Pennsylvanian 5855.)
- (8) Spotted 60 sacks cement plug from 4900-4800. (Top of Coconino 4858.)
- (9) Spotted 60 sacks cement plug from 3970-3770. (Base of 9-5/8" casing at 3870.)
- (10) Spotted 10 sacks cement plug from 40 - Surface.
- (11) Hole filled with heavy fluid between plugs.
- (12) Abandonment marker will be erected and location cleaned up when weather permits. Notification of such action will be filed at that time.

18. I hereby certify that the foregoing is true and correct

ORIGINAL SIGNED BY
F. H. HOLLINGSWORTH

Fred L. Nabors, District Engineer

SIGNED

TITLE

DATE March 4, 1965

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0137080

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Mounds

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

**NW/4 SW/4 Section 11,
T-16-S, R-11-E**

12. COUNTY OR PARISH 13. STATE

Emery

Utah

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

2120 FSL and 660 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5363 (RDB)

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Well History

X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was drilled to a total depth of 9425' and plugged back to 7263.

Ran caliper log and circulated for Drill Stem Test.

DST No. 5: 7190-7263 (Manning Canyon-Pennsylvanian) failed due to failure of cement plug at 7263 after 2-1/2 minutes. Had blow of air and recovered mud in drill pipe.

18. I hereby certify that the foregoing is true and correct

Fred L. Nabors, District Engineer

SIGNED

TITLE

DATE **March 4, 1965**

ORIGINAL SIGNED BY

(This space for Federal Holdingsworth)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

| | | | |
|---|--|---|--|
| 1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____ | | 5. LEASE DESIGNATION AND SERIAL NO. U-0137080 | |
| b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____ | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico | | 8. FARM OR LEASE NAME Federal Mounds | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2120 FSL and 660 FWL At top prod. interval reported below At total depth Same | | 9. WELL NO. 1 | |
| 14. PERMIT NO. | | DATE ISSUED | |
| 10. FIELD AND POOL, OR WILDCAT Wildcat | | 11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA NW/4 SW/4 Section 11, T-16-S, R-11-E | |
| 12. COUNTY OR PARISH Emery | | 13. STATE Utah | |
| 15. DATE SPUDDED 11-28-64 | 16. DATE T.D. REACHED 2-15-65 | 17. DATE COMPL. (Ready to prod.) 2-20-65 (P X A) | 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5363 (RDB) |
| 19. ELEV. CASINGHEAD | 20. TOTAL DEPTH, MD & TVD 9425 | | |
| 21. PLUG, BACK T.D., MD & TVD 7263 | | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY 0-9425 |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None | | | 25. WAS DIRECTIONAL SURVEY MADE No |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-Neutron, Gamma Ray-Sonic, Induction Electric, Formation Density and Dip Meter | | | 27. WAS WELL CORED No |
| 28. CASING RECORD (Report all strings set in well) | | | |
| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE |
| 13-3/8" | 48# | 715 | 17-1/2" |
| 9-5/8" | 36# | 3868 | 12-1/4" |
| CEMENTING RECORD | | AMOUNT PULLED | |
| 750 Sacks | | None | |
| 1650 Sacks | | None | |
| 29. LINER RECORD | | | |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* |
| 30. TUBING RECORD | | | |
| SIZE | DEPTH SET (MD) | PACKER SET (MD) | |
| 31. PERFORATION RECORD (Interval, size and number) | | | |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | | |
| DEPTH INTERVAL (MD) | | AMOUNT AND KIND OF MATERIAL USED | |
| 33.* PRODUCTION | | | |
| PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) PXA 2-20-65 | | WELL STATUS (Producing or shut-in) | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD |
| FLOW. TUBING PRESS. | | CASING PRESSURE | CALCULATED 24-HOUR RATE |
| OIL—BBL. | | GAS—MCF. | WATER—BBL. |
| OIL GRAVITY-API (CORR.) | | TEST WITNESSED BY | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | | | |
| 35. LIST OF ATTACHMENTS | | | |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Fred L. Nabors, District Engineer

SIGNED

ORIGINAL SIGNED BY

TITLE

DATE **March 4, 1965****F. H. NOLINGSWORTH**

(See instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| 37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES | | | 38. GEOLOGIC MARKERS | | |
|---|------|--------|----------------------|-------------|------------------|
| FORMATION | TOP | BOTTOM | NAME | MEAS. DEPTH | TRUE VERT. DEPTH |
| Sand and Shale | 0 | 1465 | | | |
| Curtis | 1465 | 1595 | | | |
| Entrada | 1595 | 2202 | | | |
| Carmel | 2202 | 2484 | | | |
| Navaajo | 2484 | 2848 | | | |
| Kayenta | 2848 | 2987 | | | |
| Wingate | 2987 | 3377 | | | |
| Chinle | 3377 | 3612 | | | |
| Shinarump-Mossback | 3612 | 3668 | | | |
| Moenkopi | 3668 | 4262 | | | |
| Sirbad | 4262 | 4725 | | | |
| Kaibab | 4725 | 4858 | | | |
| Cocouiro | 4858 | 5530 | | | |
| Wolf Camp (Permian) | 5530 | 5855 | | | |
| Pennsylvanian | 5855 | 6608 | | | |
| Manning Canyon (Penn) | 6608 | 7612 | | | |
| Humburg (Miss) | 7612 | 8016 | | | |
| Deseret (Miss) | 8016 | 8760 | | | |
| Thunder Springs (Miss) | 8760 | 9382 | | | |
| Gambrian | 9382 | 9425 | | | |

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Federal Mounds No. 1
Operator Pan American Petroleum Corporation Address Farmington, New Mex. Phone 325-8841
Contractor Noble Drilling Company Address Denver, Colorado Phone 825-0784
Location NW 1/4 SW 1/4 Sec. 11T. 16S R. 11E Emery County, Utah.
Water Sands:

| <u>Depth</u> | | <u>Volume</u> | <u>Quality</u> |
|--------------|------|---------------------------|----------------------|
| From | To | Flow Rate or Head | Fresh or Salty |
| 1. 4801 | 4947 | Not known - Would Not | Not known - Samples |
| 2. | | flow but was blown from | Could Not be Caught. |
| 3. | | hole with compressed air. | |
| 4. | | | |
| 5. | | | |

(Continued on reverse side if necessary)

Formation Tops: Top of Kaibab 4725
Top of Conconino 4858

Remarks: Well drilled with water and light gel mud and rotary tools to 3870'.
Drilled with air from 3870 to 4801 when 10' water fill up was encountered
with increasing water to 4947'. Well was drilled with mud below 4947'.

NOTE: (a) Upon diminishing supply of forms, please inform the Commission
(b) Report on this form as provided for in Rule C-20, General Rules and
Regulations and Rules of Practice and Procedure, (See back of form)
(c) If a water analysis has been made of the above reported zone, please
forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0137080

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal Mounds

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

NW/4 SW/4 Section 11,
T-16-S, R-11-E

12. COUNTY OR PARISH

Emery

Utah

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ Dry Hole

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

2120 FSL and 660 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5363 (RDM)

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☒

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As a result of failure to find oil or gas in commercial quantities, we propose to plug and abandon the above well as follows:

- (1) Spot 170 sacks cement plug 7263-7100 (Manning Canyon).
- (2) Spot 60 sacks cement plug 5900-5800. (Top of Pennsylvanian 5855.)
- (3) Spot 60 sacks cement plug 4900-4800. (Top of Coconino 4858.)
- (4) Spot 100 (10% sand) sacks cement plug 3970-3770. (Base of 9-5/8" casing 3870.)
- (5) Spot 10 sacks cement plug 40 to surface.
- (6) Hole to be filled with heavy fluid between plugs.
- (7) Erect abandonment marker and clean up location.

The above procedure verbally approved 2-19-65 R. A. Smith and Harvey L Coonts to F. H. Hollingsworth.

18. I hereby certify that the foregoing is true and correct.

Fred L. Nabors, District Engineer

SIGNED ORIGINAL SIGNED BY

TITLE

DATE March 5, 1965

(This space for Federal or State (check use))

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
198 East South Temple
Suite 301
Salt Lake City, Utah

March 8, 1965

Pan American Petroleum Corporation
P. O. Box 480
Farmington, New Mexico

Attention: Mr. F. H. Hollingsworth, District Engineer

Re: Well No. Federal Mounds #1
Sec. 11, T. 16 S., R. 11 E.,
Emery County, Utah

Gentlemen:

We are in receipt of your well log for the above mentioned well. However, upon checking this information, we notice that you did not report the water sands encountered while drilling.

Please complete the enclosed Forms OGCC-8-X, and return to this office as soon as possible.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK
RECORDS CLERK

cnp

Enclosure